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TI - FOLDING PORTABLE TELEPHONE SET  
PN - JP11205857 A 19990730  
AP - JP19980004303 19980112  
OPD - 1998-01-12  
PR - JP19980004303 19980112  
PA - NEC SAITAMA LTD  
IN - TOBA HIROYUKI  
IC - H04Q7/38 ; H04M1/00 ; H04M1/02

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TI - Folding portable telephone of cellular mobile communication system e.g. PHS system - has warning control unit which alerts external or internal service judged with judgment unit, corresponding to operation of switch

AB - JP11205857 NOVELTY - A switch (16) is operated to perform an external service or an internal warning when a display (14) is folded up inwardly. A warning control unit (6) alerts the external or internal service judged by a judgment unit, corresponding to operation of the switch. DETAILED DESCRIPTION - A judgment unit judges an external or internal service based on receiving condition of a wireless circuit connection between base stations. A call process circuit has a transmission microphone (4a) and answering speaker (4b) and perform processing of transmission and answering signals.  
- USE - In cellular mobile communication system e.g. PHS system.  
- ADVANTAGE - Enables to alert external or internal service by oscillation, optical flashing, sound intermittence, screen display etc., in folded-up state. Improves usage efficiency of portable telephone.  
DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of electric components of folding portable telephone. (4a) Microphone; (4b) Speaker; (6) Control unit; (16) Switch.  
- (Dwg.1/4)

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TI - FOLDING PORTABLE TELEPHONE SET

**AB** - PROBLEM TO BE SOLVED: To improve the convenience of use for the portable telephone set that informs the user of residence within or at the outside of a service zone by means of any or combinations of vibration, blinked light, intermittent sound and screen display, in a folding state of the portable telephone set.

- SOLUTION: This portable telephone set has a configuration ranging from an antenna Ant to a scanning circuit 15 and also a button switch 16. Furthermore, the portable telephone set has a configuration from a liquid crystal display matrix drive section 22 to a timer circuit 27. The portable telephone set is structured to be folded into two parts. A display section and an operation section are placed on opposed faces at the inside of the folded portable telephone set. The residence of the portable telephone set within or at the outside of a service zone is discriminated based on a reception state, and any or combinations of vibration, blinked light, intermittent sound and screen display in a folding state of the portable telephone set are used for information of the residence of the portable telephone set within or at the outside of the service zone through the depression of a button switch 16 which is placed to be operated externally in the folded state.

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